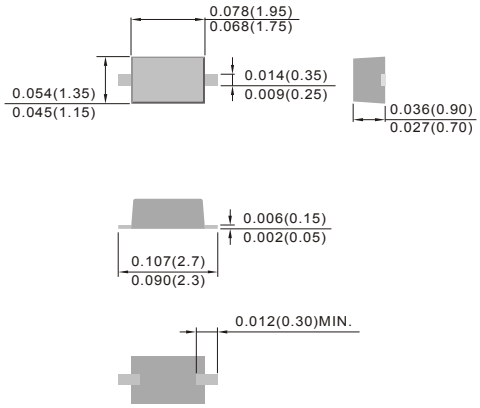
RB751V-40

SURFACE MOUNT SCHOTTKY DIODES

VOLTAGE 40 Volts **CURRENT** 300 mA

SOD-323 Unit : inch(mm)



FEATURES

- Extremely Fast Switching Speed
- Very Low V_F : 0.325V (Typ) at I_F = 1mA
- Surface mount package ideally suited for autmatic insertion
- Lead free in comply with EU RoHS 2011/65/EU directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

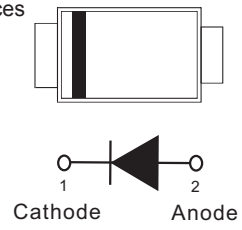
Case: SOD-323, Plastic

Terminals: Solderable per MIL-STD-750, Method 2026

Appox Weight : 0.0041 grams , 0.00014 ounces

Polarity : Color band cathode

Marking : P60



ABSOLUTE RATINGS

Parameter	Symbol	Value	Units
Maximum Peak Reverse Voltage	V_{RRM}	40	V
Reverse DC Voltage	V_R	30	V
Average Forward Current	$I_{F(AV)}$	0.3	A
Power Dissipation (Note 1)	P_{TOT}	0.2	W
Peak Forward Surge Current at t=1000ms	I_{FSM}	0.6	A
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to 125	^oC

THERMAL CHARACTERISTICS

Parameter	Symbol	Value	Units
Thermal Resistance, Junction to Ambient (1)	$R_{\theta JA}$	635	$^oC/W$

Note : 1. FR-4 Board = 70 x 60 x 1mm. Minmum Pad Layout

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ELECTRICAL CHARACTERISTICS (T_J = 25°C unless otherwise noted)

Parameter	Symbol	Test Condition	MIN.	TYP.	MAX.	Units
Reverse Leakage Current	I_R	V_R=30V	-	-	0.5	μA
Forward Voltage	V_F	I_F=1mA	-	-	0.37	V
Total Capacitance	C_T	V_R=1V,F=1MHz	-	3	5	pF

ELECTRICAL CHARACTERISTICS CURVE

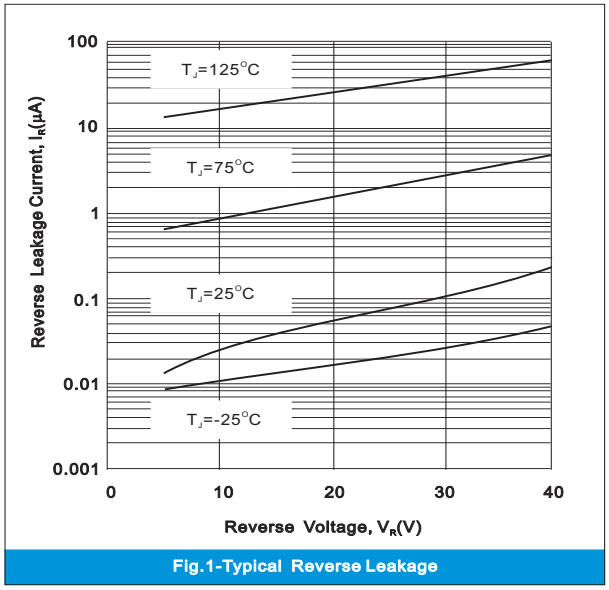


Fig.1-Typical Reverse Leakage

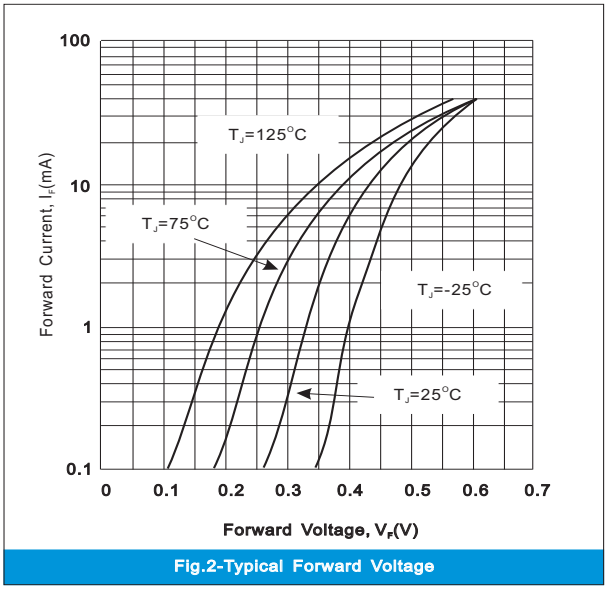


Fig.2-Typical Forward Voltage

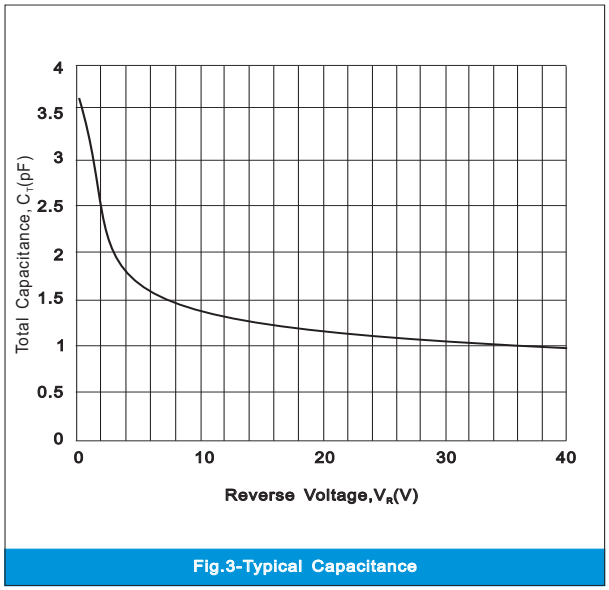
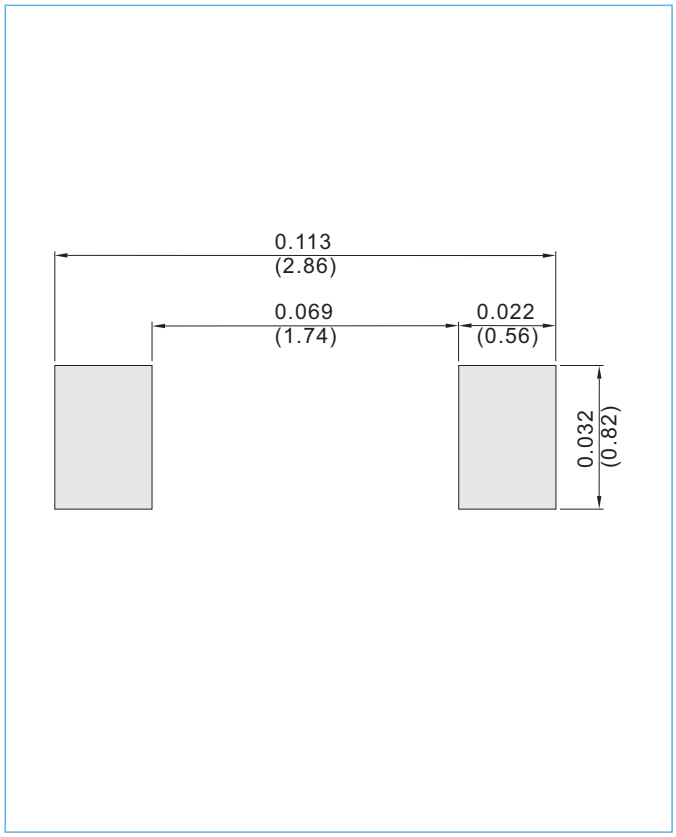


Fig.3-Typical Capacitance

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MOUNTING PAD LAYOUT

SOD-323 Unit : inch(mm)



ORDER INFORMATION

- Packing information

  T/R - 12K per 13" plastic Reel

  T/R - 5K per 7" plastic Reel

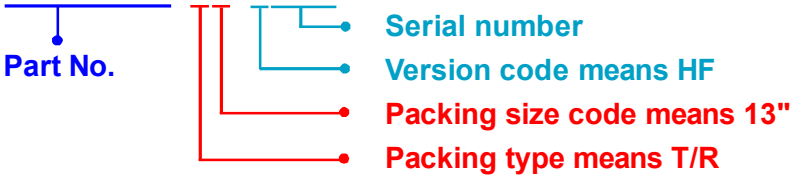
RB751V-40

Part No_packing code_Version

RB751V-40_R1_00001
RB751V-40_R2_00001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1st Code	Packing size code	2nd Code	HF or RoHS	1st Code	2nd~5th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			

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